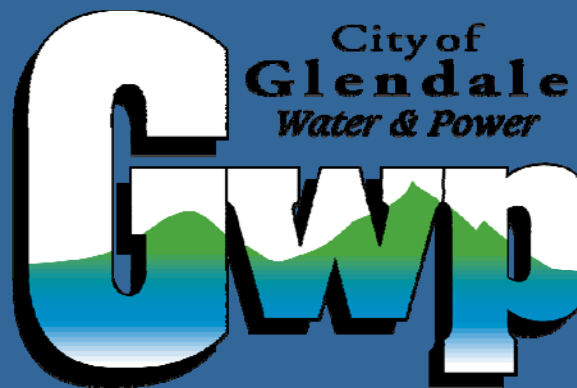




GLENDALE WATER & POWER SMART GRID ACTIVITIES



Reliable ♦ Competitive ♦ Trusted

April 2008

GWP BACKGROUND

- GWP serves the City of Glendale, CA
- Glendale is between LA, Burbank and Pasadena
- 83,500 electric meters
- 33,000 water meters



GWP AMR HISTORY

- Electric Department has been installing AMR meters at selective locations since 2002
 - 6,400 AMR meters installed
- Water Department needs to replace all meters due to age
 - Installed 160 AMR meters
 - Switching to AMI replacements this year
 - Investigating AMI possibilities

AMI/SMART GRID PLAN

- Contracted with KEMA in February
- Starting with Technology Plan and Business Case
- Assuming a Positive Business Case
 - Develop and issue RFP to select AMI system
 - Begin installing system in FY 2008-2009

AMI/SMART GRID PLAN

- Phase One: Develop Technology Plan for AMI
 - Assess where we are
 - Develop a vision of where we want to go
 - Decide what technologies we need to get us there
 - Expected completion – July 2008

AMI/SMART GRID PLAN

- Phase Two: Develop a Business Case
 - Assessment of the impact of AMI on utility operations
 - Identify costs and benefits
 - Develop financial model and assess strategic options
 - Expected completion – July 2008

AMI/SMART GRID PLAN

- Phase Three: Develop an Implementation Plan
 - Develop implementation strategy and timeline
 - Analyze risks and identify mitigating actions
 - Define and conduct system-level testing
 - Advise GWP on MDMS procurement and evaluation

AMI/SMART GRID PLAN

- Phase Four: Develop a Project Management Plan
 - Develop and issue an RFP aligned with GWP requirements and implementation strategy
 - Evaluate responses
 - Select vendor
 - Begin installation

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CONCERNS

- Need Standard Communication Protocols for HAN AND WAN
 - Do not want to get locked into proprietary systems
 - Implementation of AMI and AMI based DR, rate, and EE programs may be delayed
- Need State Timeline for Adopting Standards